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BOX PATENT APPLICATION

UTILITY PATENT APPLICATION TRANSMITTAL

Customer No.: 23696
Attorney Docket No.: PA010254
Date: November 6, 2001
Express Mail Label No.: ET100742473US

Dear Sir:

Transmitted herewith for filing is the patent application of:

Inventor(s): Walton, et al.

For: Multiple-Access Multiple-Input Multiple-Output (MIMO) Communication System.

Enclosed are:

1. Patent application (120) total pages.
2. Drawings: Formal (27) sheet(s) or Informal () sheet(s).
3. Declaration/Power of Attorney: Signed Unsigned
4. This application claims priority from Application Serial No. , Filed , Status
5. An Assignment () pages and Recordation Form Cover Sheet.
6. A Preliminary Amendment () pages.
7. Information Disclosure Statement (IDS):
 - a. PTO-1449
 - b. Copies of IDS Citations (number of citations:)
8. Other:

CLAIMS:	(a) Filed	(b) Extra Claims	Large Entity Fee	Fee Paid
Total*	53 - 20	33	x \$18 =	\$594.00
Independent**	7 - 3	4	x \$84 =	\$336.00
Multiple Dependent Claim(s): <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes			\$280	\$
APPLICATION FILING FEE			\$740	\$740.00
			TOTAL FEE	\$1670.00

*If the number in column a is less than 20, enter 0 in column b.

**If the number in column b is less than 3, enter 0 in column b.

8. A check in the amount of \$____ is enclosed to pay the filing fee.
9. Please charge Deposit Account No. 17-0026 of QUALCOMM Incorporated the amount of \$1670.00. The Commissioner is hereby authorized to charge payment of any additional fees which may be required, or credit any overpayment, to said Deposit Account No. 17-0026. A duplicate of this sheet is enclosed for fee processing.
10. The Commissioner is further hereby authorized to charge to said Deposit Account No. 17-0026, pursuant to 37 CFR 1.25(b), any fee whatsoever which may become properly due or payable, as set forth in 37 CFR 1.16 to 37 CFR 1.18 inclusive, for the entire pendency of this application without specific additional authorization.

Date: November 6, 2001

Signature:

Kent Baker
Kent D. Baker, Reg. No. 38,822
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QUALCOMM Incorporated
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5775 Morehouse Drive
San Diego, California 92121-1714
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF MAILING UNDER 37 CFR § 1.10

Asst. Commissioner of Patents
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Dear Sir:

"Express Mail" mailing label No. ET100742473US
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I hereby certify that the following papers are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR § 1.10 on the date indicated above and is addressed to the Asst. Commissioner of Patents, Box Patent Applications, Washington, D.C. 20231:

PATENT APPLICATION IN 120 PAGES; TRANSMITTAL LETTER IN
DUPLICATE; 27 SHEETS OF FORMAL DRAWINGS; UNSIGNED
DECLARATION/POWER OF ATTORNEY; AND POSTCARD

Kayla R. Seignious

(Name)

294

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